

ABSTRACT

The invention relates to spot welding tongs (1) for robotic applications in resistance welding of workpieces, in particular sheets, comprising tong arms (3), mounted such as to pivot on a base body (2), which may be adjusted using an operating means (13) and to which electrode holders (4) for the electrodes (5) are fixed and a winding device (7) with a pay-out roller (10) and a wind-in roller (11), for the winding in and out of a strip (6) to protect at least one electrode (5). According to the invention, such spot welding tongs () may be produced, in which access is not seriously affected and with a very simple and compact construction, whereby the pay-out roller (10) and the wind-in roller (11) of the winding device (7) are arranged on the base body (2), or the tongs arm (3) and at least one guide groove (8), for guiding the strip (6), is arranged in the tongs arm (3) and/or the electrode holder(4).